

Data File : VV012456.D  
Acq On : 30 Aug 2019 14:42  
Operator : SY/MD  
Sample : K4500-20  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANL4

Quant Time: Aug 31 00:11:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 31 00:07:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 205354   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 205208   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 75168    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 10788    | 0.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 11.80%# |
| 7) Chloroethane-d5             | 1.58   | 69    | 11322    | 0.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 17.00%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 26135    | 0.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 17.40%# |
| 20) 2-Butanone-d5              | 3.95   | 46    | 164690   | 44.15    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 88.30%  |
| 24) Chloroform-d               | 4.40   | 84    | 93523    | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 59.40%# |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 40153    | 2.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 52.60%# |
| 32) Benzene-d6                 | 5.10   | 84    | 116545   | 1.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 38.00%# |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 57263    | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 58.80%# |
| 41) Toluene-d8                 | 7.36   | 98    | 101820   | 1.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 36.80%# |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 18691    | 2.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 54.40%# |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 109624   | 40.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.14%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 55809    | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 80.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 62134    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 85.00%  |

#### Target Compounds

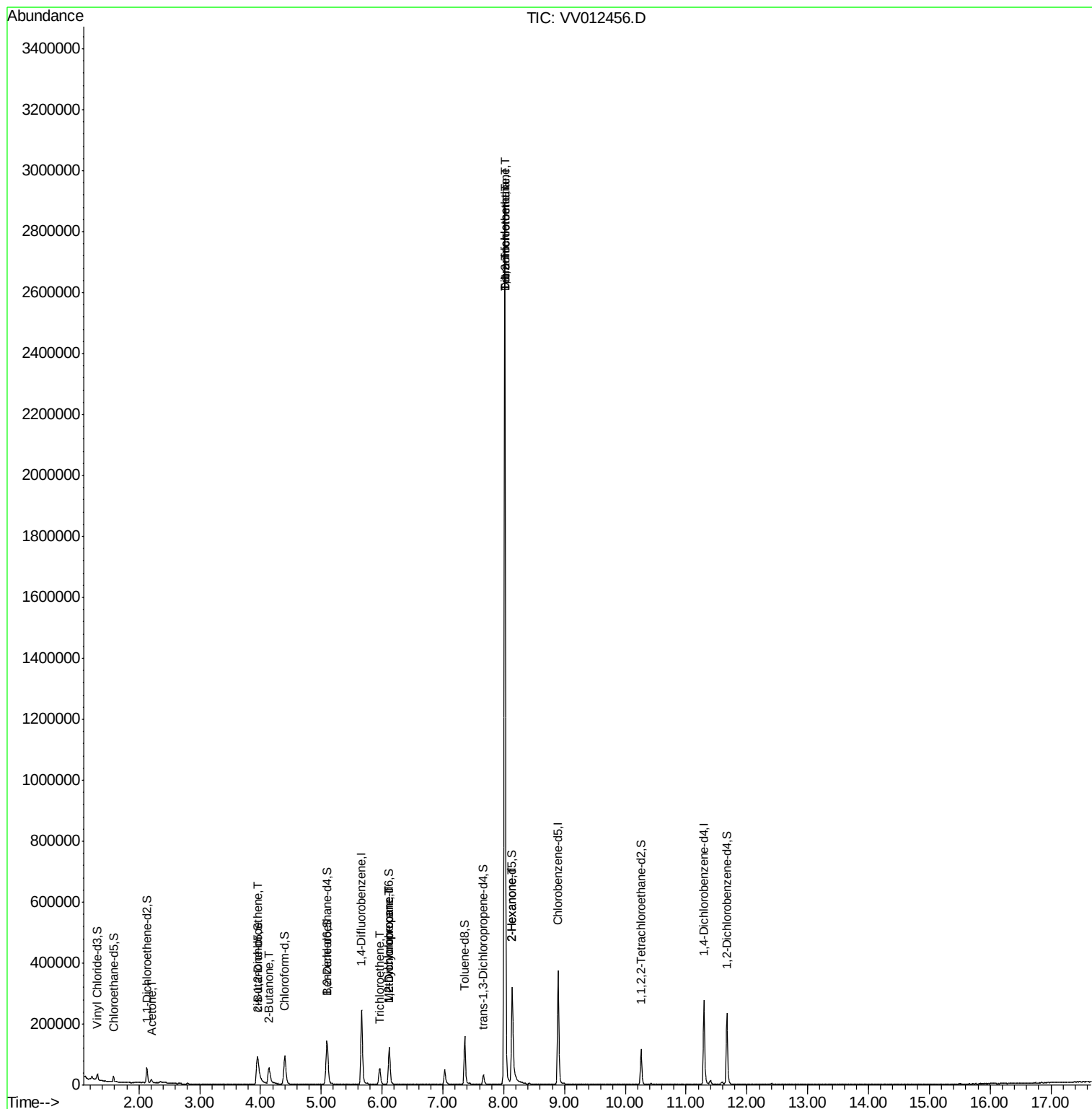
|                            |      |     |        |        |        | Qvalue |
|----------------------------|------|-----|--------|--------|--------|--------|
| 13) Acetone                | 2.20 | 43  | 12514  | 4.591  | ug/L   | 95     |
| 21) 2-Butanone             | 4.14 | 43  | 94003  | 18.760 | ug/L # | 52     |
| 22) cis-1,2-Dichloroethene | 3.96 | 96  | 6880   | 0.330  | ug/L   | 90     |
| 34) Trichloroethene        | 5.96 | 95  | 17545  | 0.811  | ug/L   | 99     |
| 35) Methylcyclohexane      | 6.12 | 83  | 13412  | 0.407  | ug/L # | 16     |
| 37) 1,2-Dichloropropane    | 6.12 | 63  | 6671   | 0.301  | ug/L # | 88     |
| 45) 1,1,2-Trichloroethane  | 8.02 | 97  | 5656   | 0.385  | ug/L # | 1      |
| 47) Tetrachloroethene      | 8.02 | 164 | 645174 | 37.236 | ug/L   | 98     |
| 48) 2-Hexanone             | 8.14 | 43  | 14662  | 1.715  | ug/L # | 74     |
| 49) Dibromochloromethane   | 8.02 | 129 | 557555 | 32.949 | ug/L # | 11     |

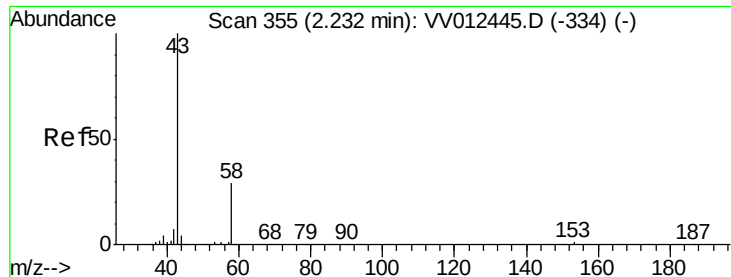
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.591 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV012456.D

Acq: 30 Aug 2019 14:42

Instrument :

MSVOA\_V

ClientSampleId :

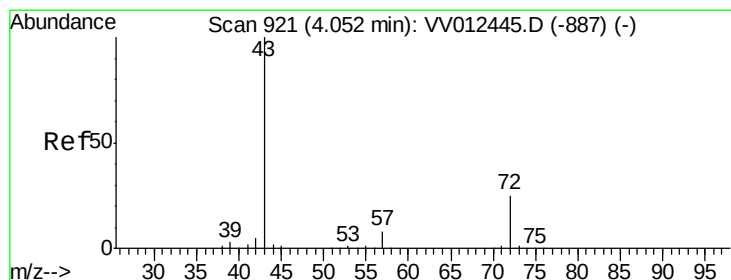
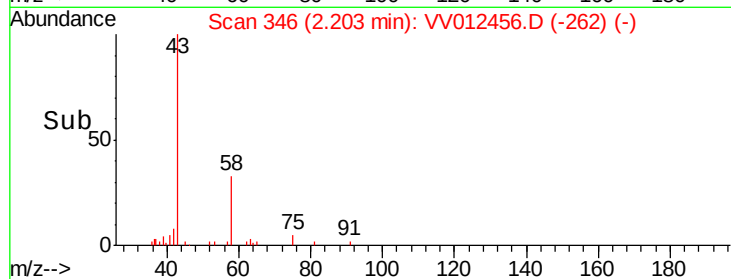
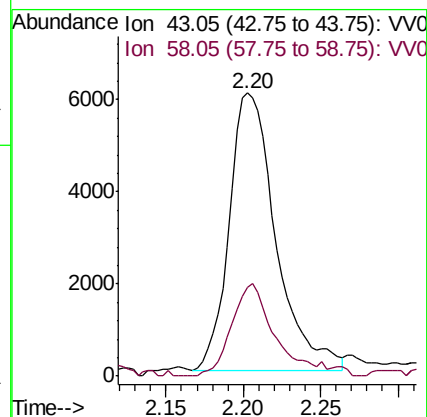
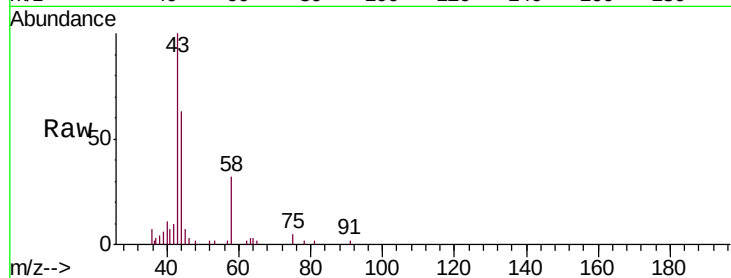
GANL4

Tgt Ion: 43 Resp: 12514

Ion Ratio Lower Upper

43 100

58 31.2 0.0 56.8



#21

2-Butanone

Concen: 18.760 ug/L

RT: 4.14 min Scan# 948

Delta R.T. 0.09 min

Lab File: VV012456.D

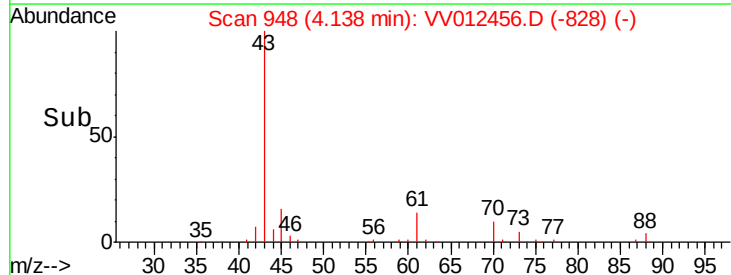
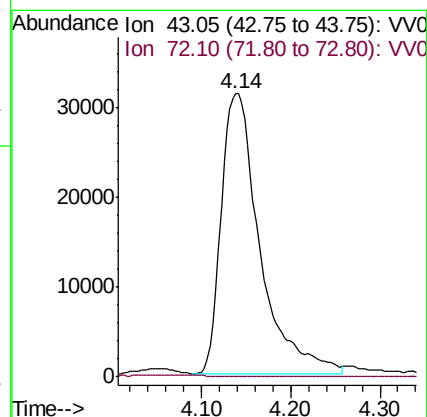
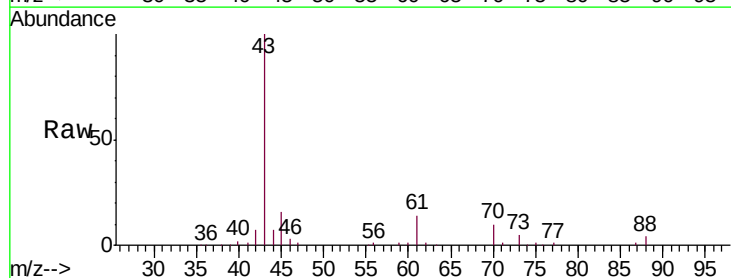
Acq: 30 Aug 2019 14:42

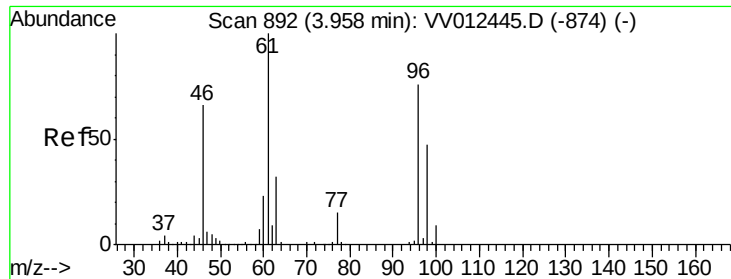
Tgt Ion: 43 Resp: 94003

Ion Ratio Lower Upper

43 100

72 0.1 11.8 35.3#



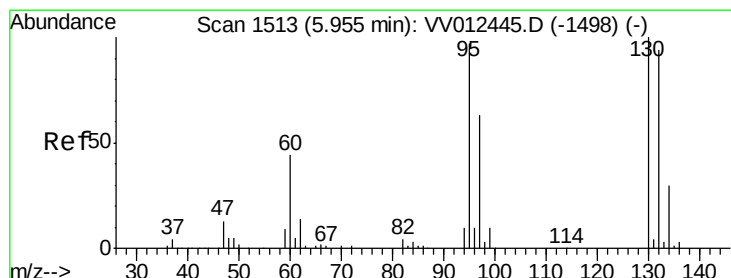
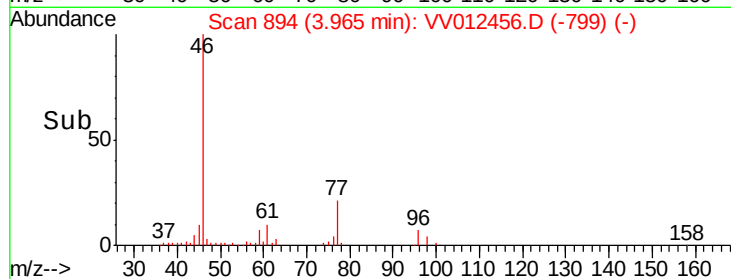
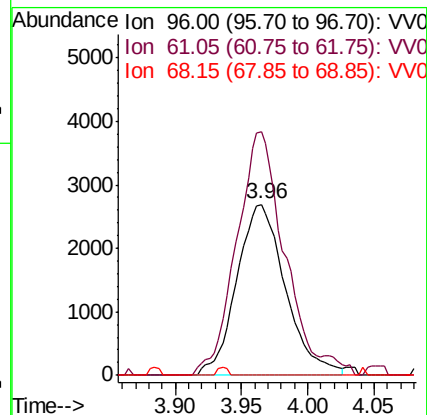
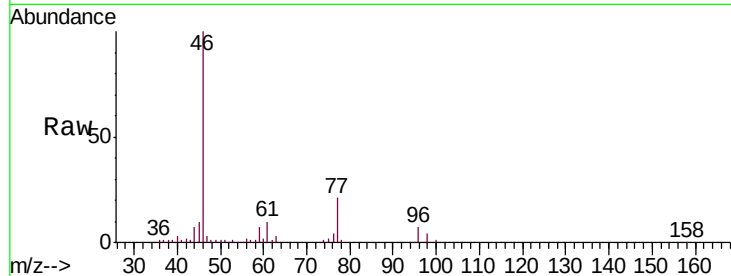


#22

cis-1,2-Dichloroethene  
Concen: 0.330 ug/L  
RT: 3.96 min Scan# 894  
Delta R.T. 0.01 min  
Lab File: VV012456.D  
Acq: 30 Aug 2019 14:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANL4

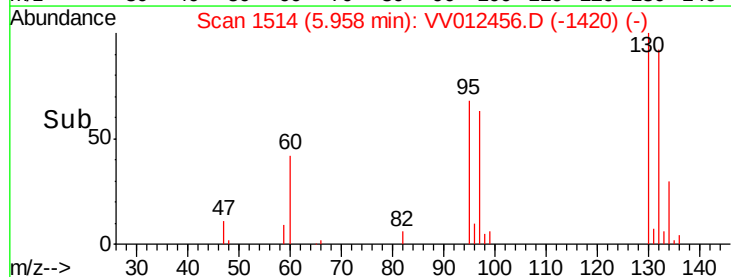
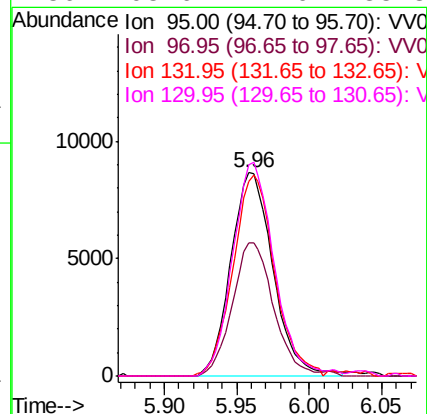
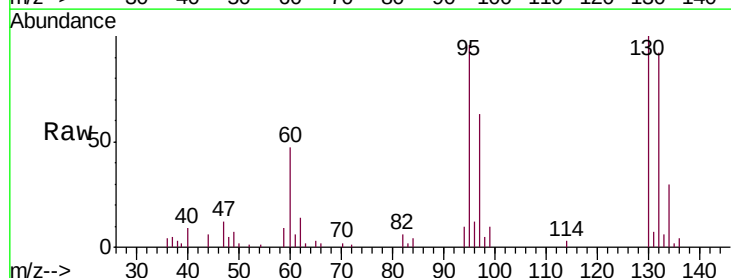
Tgt Ion: 96 Resp: 6880  
Ion Ratio Lower Upper  
96 100  
61 142.6 91.5 169.9  
68 0.0 0.0 0.0

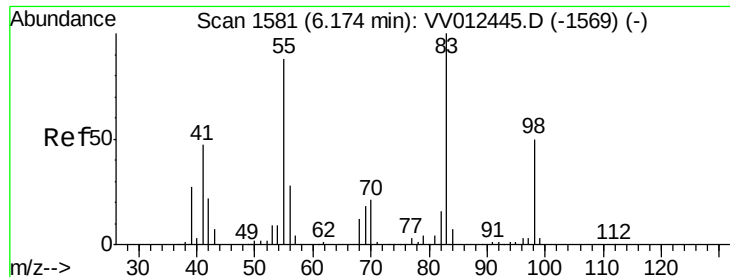


#34

Trichloroethene  
Concen: 0.811 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VV012456.D  
Acq: 30 Aug 2019 14:42

Tgt Ion: 95 Resp: 17545  
Ion Ratio Lower Upper  
95 100  
97 65.8 45.8 85.2  
132 95.8 68.3 126.9  
130 103.6 72.0 133.8

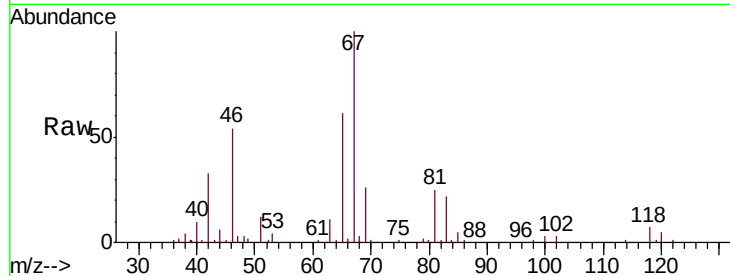




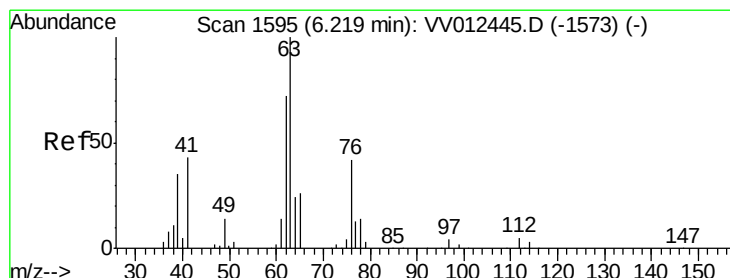
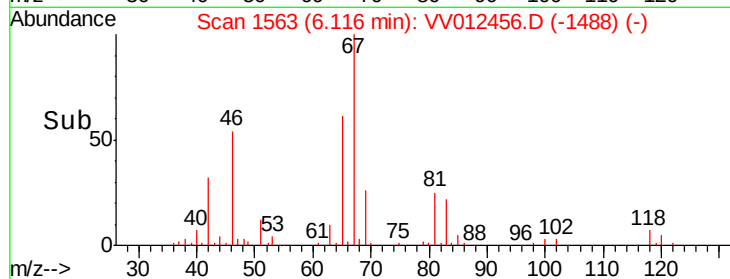
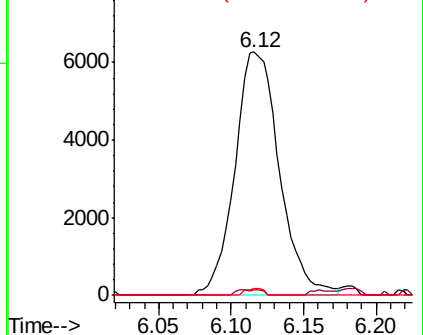
#35  
Methylcyclohexane  
Concen: 0.407 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV012456.D  
Acq: 30 Aug 2019 14:42

Instrument :  
MSVOA\_V  
ClientSampled :  
GANL4

Tgt Ion: 83 Resp: 13412  
Ion Ratio Lower Upper  
83 100  
55 0.7 67.8 101.6#  
98 1.1 39.2 58.8#

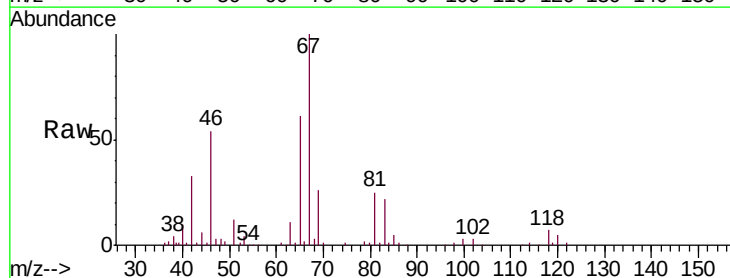


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

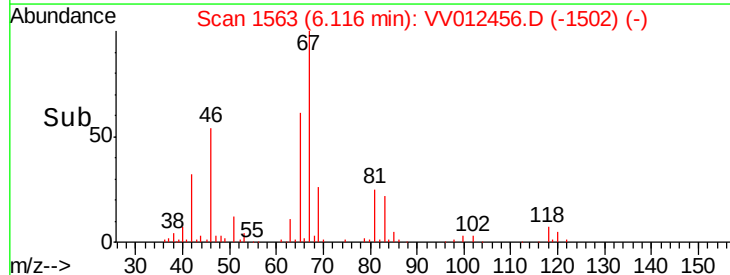
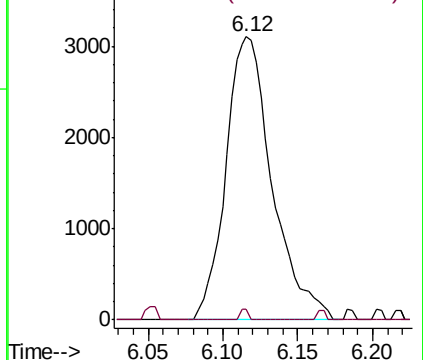


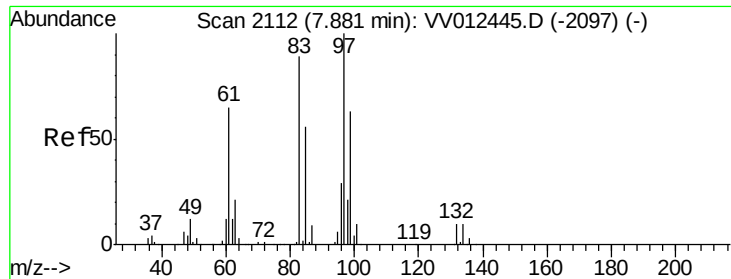
#37  
1,2-Dichloropropane  
Concen: 0.301 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV012456.D  
Acq: 30 Aug 2019 14:42

Tgt Ion: 63 Resp: 6671  
Ion Ratio Lower Upper  
63 100  
112 0.7 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

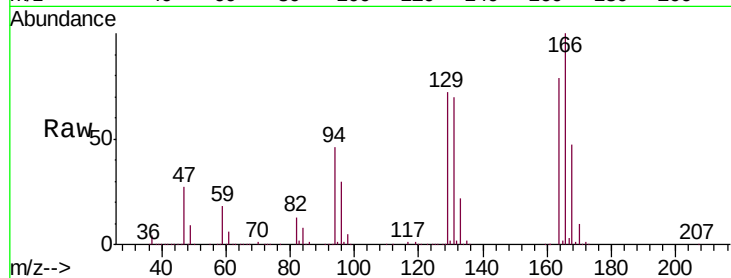




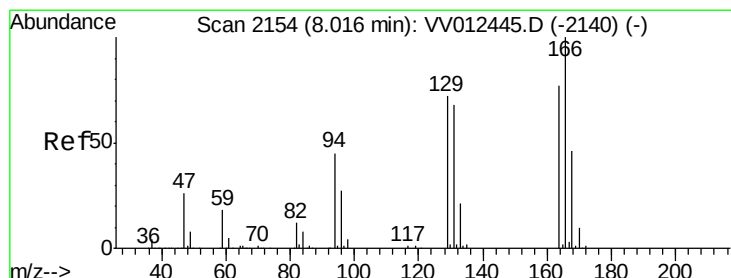
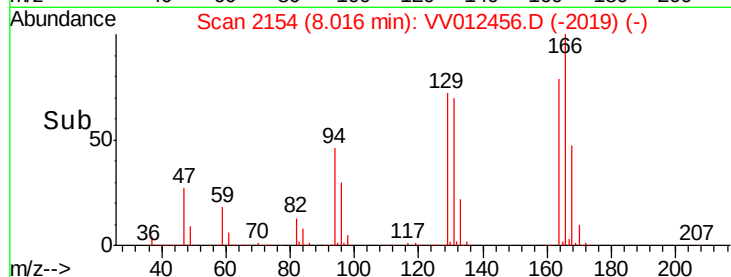
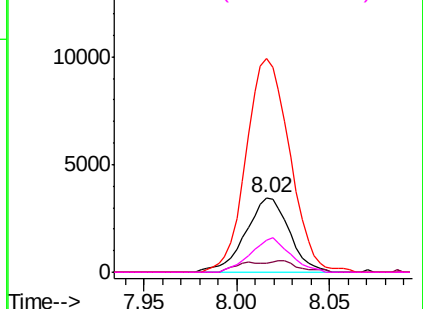
#45  
 1,1,2-Trichloroethane  
 Concen: 0.385 ug/L  
 RT: 8.02 min Scan# 2154  
 Delta R.T. 0.13 min  
 Lab File: VV012456.D  
 Acq: 30 Aug 2019 14:42

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 GANL4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 5656   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 12.7  | 43.3  | 80.3#  |
| 83       | 285.7 | 61.2  | 113.6# |
| 85       | 43.6  | 40.0  | 74.4   |

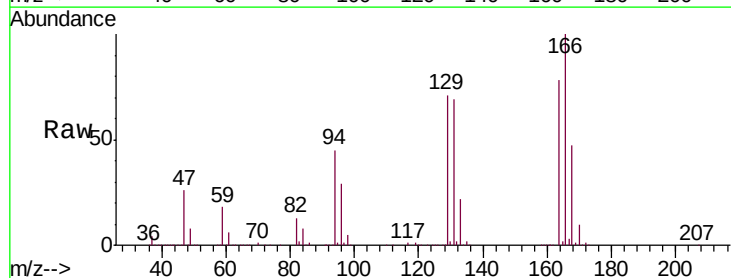


Abundance Ion 96.95 (96.65 to 97.65): VV0  
 Ion 99.05 (98.75 to 99.75): VV0  
 Ion 82.95 (82.65 to 83.65): VV0  
 Ion 85.00 (84.70 to 85.70): VV0

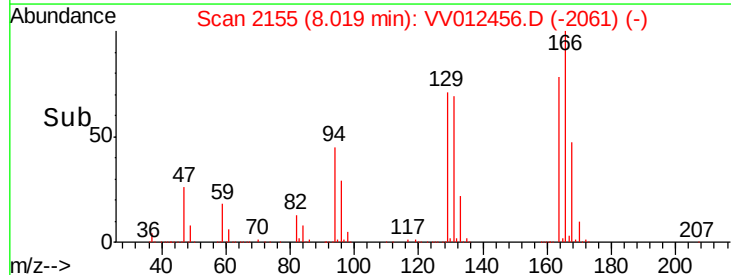
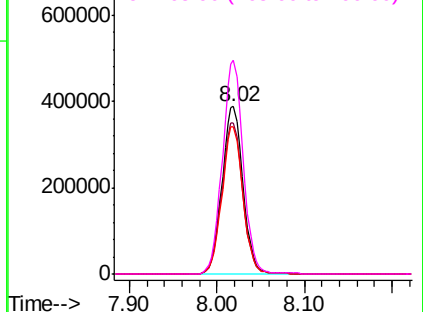


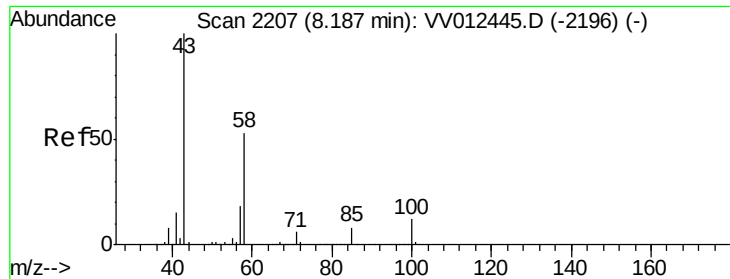
#47  
 Tetrachloroethene  
 Concen: 37.236 ug/L  
 RT: 8.02 min Scan# 2155  
 Delta R.T. 0.00 min  
 Lab File: VV012456.D  
 Acq: 30 Aug 2019 14:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 645174 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 90.6  | 65.6  | 121.8  |
| 131      | 87.9  | 63.3  | 117.5  |
| 166      | 127.8 | 89.4  | 166.0  |



Abundance Ion 163.90 (163.60 to 164.60): V  
 Ion 128.95 (128.65 to 129.65): V  
 Ion 130.95 (130.65 to 131.65): V  
 Ion 165.90 (165.60 to 166.60): V

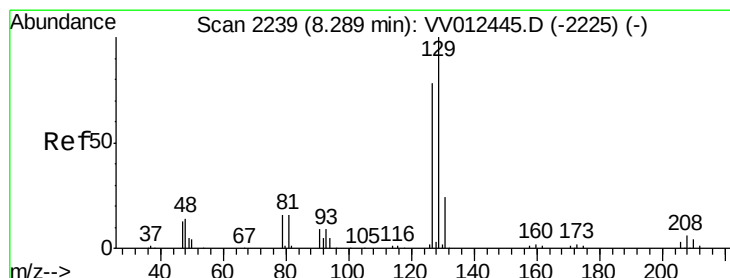
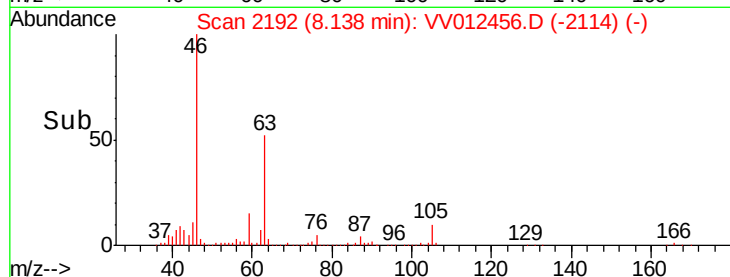
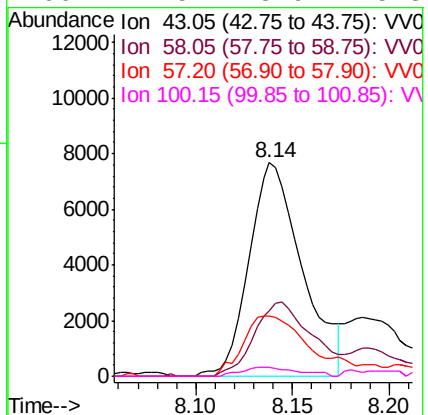
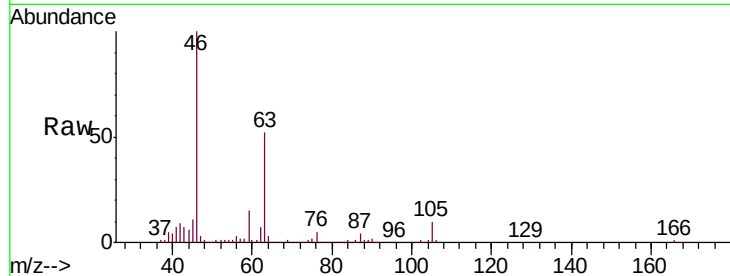




#48  
 2-Hexanone  
 Concen: 1.715 ug/L  
 RT: 8.14 min Scan# 2192  
 Delta R.T. -0.05 min  
 Lab File: VV012456.D  
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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GANL4

Tgt Ion: 43 Resp: 14662  
 Ion Ratio Lower Upper  
 43 100  
 58 37.2 43.6 65.4#  
 57 35.1 14.2 21.2#  
 100 4.5 8.9 13.3#



#49  
 Dibromochloromethane  
 Concen: 32.949 ug/L  
 RT: 8.02 min Scan# 2154  
 Delta R.T. -0.27 min  
 Lab File: VV012456.D  
 Acq: 30 Aug 2019 14:42

Tgt Ion: 129 Resp: 557555  
 Ion Ratio Lower Upper  
 129 100  
 127 0.2 53.6 99.6#

